| SUPPLEMENTARY FIGUR | ES |
|---------------------|----|
|---------------------|----|

| Variable                       |             | Ν                           | Hazard ratio   | HR (95% CI)  | p-Value                  |
|--------------------------------|-------------|-----------------------------|--|--|--------------------------|
| ERP                            | -           | 3719                        | , <b>1</b>   | Reference  |                          |
|                                | +           | 888                         | ⊢ <b>₩</b> -1  | 0.98 (0.81, 1.20)  | 0.877                    |
| Gender                         | Male        | 2202                        |  | Reference  |                          |
|                                | Female      | 2405                        | ⊢∎→  | 0.71 (0.57, 0.87)  | 0.001                    |
| Age                            |             | 4607                        |  | 1.11 (1.10, 1.12)  | <0.001                   |
| BMI                            |             | 4607                        | , and the second s | 0.96 (0.94, 0.98)  | <0.001                   |
| Systolic_BP                    |             | 4607                        |  | 1.01 (1.01, 1.02)  | <0.001                   |
| Diastolic_BP                   |             | 4607                        | ,  | 0.99 (0.98, 0.99)  | 0.003                    |
| Smoke                          | Current     | 605                         |  | Reference  |                          |
|                                | Quitted     | 715                         | ⊢∎→  | 0.63 (0.50, 0.79)  | <0.001                   |
|                                | Never       | 3287                        | ⊢∎⊣  | 0.50 (0.40, 0.63)  | <0.001                   |
| Hypertension                   | 0           | 2601                        | <b>•</b>   | Reference  |                          |
|                                | 1           | 2006                        | <b>⊢</b> ∎   | 0.87 (0.69, 1.11)  | 0.270                    |
| Diabetes_Mellitus              | 0           | 3785                        | <b></b>  | Reference  |                          |
|                                | 1           | 822                         | ⊢∎⊣  | 1.51 (1.26, 1.81)  | <0.001                   |
| Stroke                         | 0           | 4377                        | ,<br>,   | Reference  |                          |
|                                | 1           | 230                         | ⊢∎→  | 1.94 (1.52, 2.48)  | <0.001                   |
| Hyperlipidemia                 | 0           | 3151                        | · •  | Reference  |                          |
|                                | 1           | 1456                        | ⊨ <b>∎</b> ¦   | 0.89 (0.75, 1.06)  | 0.206                    |
| Chronic_Kidney_Disease         | 0           | 3941                        | , <b>∎</b>   | Reference  |                          |
|                                | 1           | 666                         |  | 1.35 (1.10, 1.66)  | 0.005                    |
| QTcB                           |             | 4607                        | <b></b>  | 1.01 (1.00, 1.01)  | <0.001                   |
| Chronic_Kidney_Disease<br>QTcB | 1<br>0<br>1 | 1456<br>3941<br>666<br>4607 |  | 0.89 (0.75, 1.06)<br>Reference<br>1.35 (1.10, 1.66)<br>1.01 (1.00, 1.01) | 0.206<br>0.005<br><0.001 |

**Supplementary Figure 1. Association between ERP and all-cause mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model adjusted for all covariables.

| Variable               |         | Ν    | Hazard ratio  | HR (95% CI)       | p-Value |
|------------------------|---------|------|---|-------------------|---------|
| ERP                    | -       | 3231 |   | Reference         |         |
|                        | +       | 784  | · · · · · · · · · · · · · · · · · · ·   | 1.27 (0.74, 2.20) | 0.386   |
| Gender                 | Male    | 1830 | <b></b>   | Reference         |         |
|                        | Female  | 2185 | ▶ <b></b>   | 1.01 (0.55, 1.84) | 0.980   |
| Age                    |         | 4015 | -   | 1.13 (1.10, 1.17) | <0.001  |
| BMI                    |         | 4015 |   | 1.00 (0.94, 1.06) | 0.919   |
| Systolic_BP            |         | 4015 |   | 1.02 (1.00, 1.04) | 0.092   |
| Diastolic_BP           |         | 4015 |   | 0.99 (0.96, 1.01) | 0.264   |
| Smoke                  | Current | 477  | <b>•</b>  | Reference         |         |
|                        | Quitted | 583  | ▶ <b>──■</b>  | 0.83 (0.40, 1.73) | 0.625   |
|                        | Never   | 2955 | <b></b>   | 0.57 (0.27, 1.20) | 0.138   |
| Hypertension           | 0       | 2313 |   | Reference         |         |
|                        | 1       | 1702 |   | 1.09 (0.57, 2.11) | 0.794   |
| Diabetes_Mellitus      | 0       | 3347 |   | Reference         |         |
|                        | 1       | 668  | <b>-</b>  | 1.54 (0.93, 2.55) | 0.090   |
| Stroke                 | 0       | 3851 | , in the second | Reference         |         |
|                        | 1       | 164  |   | 2.11 (1.01, 4.42) | 0.048   |
| Hyperlipidemia         | 0       | 2722 | · ·   | Reference         |         |
|                        | 1       | 1293 |   | 0.81 (0.50, 1.32) | 0.399   |
| Chronic_Kidney_Disease | 0       | 3448 | <b>.</b>  | Reference         |         |
|                        | 1       | 567  | ► <b>.</b>  | 0.98 (0.51, 1.91) | 0.957   |
| QTcB                   |         | 4015 | <b>•</b>  | 1.01 (1.00, 1.02) | 0.058   |
|                        |         |      | 0.5 1 2   |                   |         |

**Supplementary Figure 2. Association between ERP and cardiovascular mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model adjusted for all covariables.

| Variable               |         | Ν    | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|------|--------------|-------------------|---------|
| ERP                    | -       | 3719 |              | Reference         |         |
|                        | inf. +  | 573  |              | 0.93 (0.74, 1.17) | 0.534   |
| Gender                 | Male    | 2038 |              | Reference         |         |
|                        | Female  | 2254 | ⊢∎→          | 0.72 (0.58, 0.89) | 0.002   |
| Age                    |         | 4292 |              | 1.11 (1.10, 1.12) | <0.001  |
| ВМІ                    |         | 4292 |              | 0.95 (0.93, 0.98) | <0.001  |
| Systolic_BP            |         | 4292 |              | 1.01 (1.01, 1.02) | <0.001  |
| Diastolic_BP           |         | 4292 |              | 0.99 (0.98, 1.00) | 0.004   |
| Smoke                  | Current | 554  |              | Reference         |         |
|                        | Quitted | 674  | ⊢∎→          | 0.63 (0.49, 0.80) | <0.001  |
|                        | Never   | 3064 | ⊢∎⊣          | 0.49 (0.39, 0.63) | <0.001  |
| Hypertension           | 0       | 2407 |              | Reference         |         |
|                        | 1       | 1885 | ⊢∎           | 0.88 (0.69, 1.12) | 0.295   |
| Diabetes_Mellitus      | 0       | 3517 |              | Reference         |         |
|                        | 1       | 775  | ⊢∎⊣          | 1.54 (1.28, 1.85) | <0.001  |
| Stroke                 | 0       | 4072 |              | Reference         |         |
|                        | 1       | 220  | ⊢∎→          | 1.97 (1.54, 2.53) | <0.001  |
| Hyperlipidemia         | 0       | 2927 |              | Reference         |         |
|                        | 1       | 1365 | ⊢ <b>∎</b> ¦ | 0.88 (0.74, 1.06) | 0.182   |
| Chronic_Kidney_Disease | 0       | 3670 |              | Reference         |         |
|                        | 1       | 622  | ⊢∎⊣          | 1.36 (1.10, 1.69) | 0.004   |
| QTcB                   |         | 4292 |              | 1.01 (1.00, 1.01) | <0.001  |

**Supplementary Figure 3. Association between positive ERP in the inferior leads and all-cause mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model adjusted for all covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|--|-------------------|---------|
| ERP                    | -       | 3231 |  | Reference         |         |
|                        | inf. +  | 502  |  | 1.39 (0.76, 2.55) | 0.288   |
| Gender                 | Male    | 1687 | <b></b>  | Reference         |         |
|                        | Female  | 2046 | ⊨ <b></b>  | 0.99 (0.53, 1.86) | 0.987   |
| Age                    |         | 3733 |  | 1.13 (1.10, 1.17) | <0.001  |
| ВМІ                    |         | 3733 |  | 1.01 (0.94, 1.07) | 0.843   |
| Systolic_BP            |         | 3733 |  | 1.02 (1.00, 1.04) | 0.051   |
| Diastolic_BP           |         | 3733 |  | 0.99 (0.96, 1.01) | 0.271   |
| Smoke                  | Current | 433  | •  | Reference         |         |
|                        | Quitted | 548  |  | 0.89 (0.42, 1.89) | 0.764   |
|                        | Never   | 2752 | → <b>■</b>   | 0.58 (0.26, 1.27) | 0.170   |
| Hypertension           | 0       | 2137 | , in the second se | Reference         |         |
|                        | 1       | 1596 | ⊢_ <b>⊨</b> ,  | 1.12 (0.57, 2.19) | 0.743   |
| Diabetes_Mellitus      | 0       | 3104 | , in the second se | Reference         |         |
|                        | 1       | 629  | ₩  | 1.61 (0.97, 2.67) | 0.067   |
| Stroke                 | 0       | 3577 |  | Reference         |         |
|                        | 1       | 156  |  | 2.11 (1.01, 4.43) | 0.048   |
| Hyperlipidemia         | 0       | 2521 | · <b>I</b>   | Reference         |         |
|                        | 1       | 1212 |  | 0.85 (0.52, 1.38) | 0.504   |
| Chronic_Kidney_Disease | 0       | 3204 |  | Reference         |         |
|                        | 1       | 529  | ▶ <b>──</b> ₩  | 1.04 (0.53, 2.02) | 0.918   |
| QTcB                   |         | 3733 | <b>•</b>   | 1.01 (1.00, 1.02) | 0.026   |

**Supplementary Figure 4. Association between positive ERP in the inferior leads and cardiovascular mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio    | HR (95% CI)       | p-Value |
|------------------------|---------|------|-----------------|-------------------|---------|
| ERP                    | -       | 3719 |                 | Reference         |         |
|                        | lat. +  | 214  | <b>⊢</b>        | 1.50 (1.04, 2.15) | 0.029   |
| Gender                 | Male    | 1835 |                 | Reference         |         |
|                        | Female  | 2098 | ⊢∎→             | 0.66 (0.53, 0.83) | <0.001  |
| Age                    |         | 3933 |                 | 1.11 (1.10, 1.12) | <0.001  |
| ВМІ                    |         | 3933 | <b></b>         | 0.95 (0.93, 0.98) | <0.001  |
| Systolic_BP            |         | 3933 | <b>•</b>        | 1.01 (1.01, 1.02) | <0.001  |
| Diastolic_BP           |         | 3933 |                 | 0.99 (0.98, 1.00) | 0.015   |
| Smoke                  | Current | 468  | •               | Reference         |         |
|                        | Quitted | 605  | ⊢∎→             | 0.62 (0.48, 0.80) | <0.001  |
|                        | Never   | 2860 | ⊢∎→             | 0.49 (0.38, 0.63) | <0.001  |
| Hypertension           | 0       | 2192 |                 | Reference         |         |
|                        | 1       | 1741 | ⊢∎→             | 0.84 (0.66, 1.09) | 0.193   |
| Diabetes_Mellitus      | 0       | 3237 |                 | Reference         |         |
|                        | 1       | 696  | ⊢∎⊣             | 1.47 (1.21, 1.79) | <0.001  |
| Stroke                 | 0       | 3730 |                 | Reference         |         |
|                        | 1       | 203  | ⊢∎→             | 2.03 (1.56, 2.63) | <0.001  |
| Hyperlipidemia         | 0       | 2683 |                 | Reference         |         |
|                        | 1       | 1250 | ⊢∎÷             | 0.86 (0.71, 1.04) | 0.124   |
| Chronic_Kidney_Disease | 0       | 3362 |                 | Reference         |         |
|                        | 1       | 571  | ⊢∎→             | 1.31 (1.05, 1.64) | 0.019   |
| QTcB                   |         | 3933 | <b>•</b>        | 1.01 (1.00, 1.01) | <0.001  |
|                        |         |      | 0.5 1 1.5 2 2.5 |                   |         |

**Supplementary Figure 5. Association between ERP-positive in the lateral leads and all-cause mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio  | HR (95% CI)       | p-Value |
|------------------------|---------|------|---------------|-------------------|---------|
| ERP                    | -       | 3719 |               | Reference         |         |
|                        | both +  | 101  | ·             | 0.41 (0.17, 0.99) | 0.048   |
| Gender                 | Male    | 1793 |               | Reference         |         |
|                        | Female  | 2027 | ⊨∎-i          | 0.67 (0.54, 0.85) | 0.001   |
| Age                    |         | 3820 | -             | 1.11 (1.09, 1.12) | <0.001  |
| ВМІ                    |         | 3820 |               | 0.95 (0.93, 0.97) | <0.001  |
| Systolic_BP            |         | 3820 |               | 1.02 (1.01, 1.02) | <0.001  |
| Diastolic_BP           |         | 3820 |               | 0.99 (0.98, 1.00) | 0.017   |
| Smoke                  | Current | 457  | •             | Reference         |         |
|                        | Quitted | 602  | ⊢∎⊣           | 0.64 (0.50, 0.83) | 0.001   |
|                        | Never   | 2761 | <b>⊢</b> ∎-1  | 0.50 (0.38, 0.65) | <0.001  |
| Hypertension           | 0       | 2124 |               | Reference         |         |
|                        | 1       | 1696 | ⊢∎⊣           | 0.84 (0.65, 1.08) | 0.176   |
| Diabetes_Mellitus      | 0       | 3143 |               | Reference         |         |
|                        | 1       | 677  | <b>⊢</b> ∰-1  | 1.51 (1.24, 1.84) | <0.001  |
| Stroke                 | 0       | 3625 |               | Reference         |         |
|                        | 1       | 195  | <b>⊢</b> ∎-1  | 2.06 (1.58, 2.69) | <0.001  |
| Hyperlipidemia         | 0       | 2605 |               | Reference         |         |
|                        | 1       | 1215 | F <b>E</b> -1 | 0.89 (0.74, 1.08) | 0.236   |
| Chronic_Kidney_Disease | 0       | 3267 |               | Reference         |         |
|                        | 1       | 553  | H <b>-</b>    | 1.34 (1.07, 1.68) | 0.012   |
| QTcB                   |         | 3820 | <b>•</b>      | 1.01 (1.00, 1.01) | <0.001  |

**Supplementary Figure 6.** Association between positive ERP in both the inferior and lateral leads and all-cause mortality. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|------|--------------|-------------------|---------|
| ERP                    | -       | 3231 | 1            | Reference         |         |
|                        | lat. +  | 186  |              | 1.72 (0.62, 4.79) | 0.299   |
| Gender                 | Male    | 1510 |              | Reference         |         |
|                        | Female  | 1907 |              | 0.89 (0.47, 1.69) | 0.724   |
| Age                    |         | 3417 |              | 1.13 (1.10, 1.17) | <0.001  |
| ВМІ                    |         | 3417 | -            | 0.98 (0.91, 1.05) | 0.566   |
| Systolic_BP            |         | 3417 | <b>•</b>     | 1.02 (1.00, 1.04) | 0.052   |
| Diastolic_BP           |         | 3417 | <b>.</b>     | 0.99 (0.96, 1.02) | 0.588   |
| Smoke                  | Current | 361  |              | Reference         |         |
|                        | Quitted | 490  | ▶ <b></b>    | 1.06 (0.46, 2.45) | 0.892   |
|                        | Never   | 2566 | ⊧ <b></b>    | 0.69 (0.29, 1.64) | 0.398   |
| Hypertension           | 0       | 1940 |              | Reference         |         |
|                        | 1       | 1477 | F            | 0.90 (0.45, 1.81) | 0.766   |
| Diabetes_Mellitus      | 0       | 2853 |              | Reference         |         |
|                        | 1       | 564  | F            | 1.37 (0.78, 2.42) | 0.272   |
| Stroke                 | 0       | 3272 |              | Reference         |         |
|                        | 1       | 145  | F            | 2.59 (1.23, 5.47) | 0.013   |
| Hyperlipidemia         | 0       | 2306 |              | Reference         |         |
|                        | 1       | 1111 |              | 0.74 (0.43, 1.26) | 0.265   |
| Chronic_Kidney_Disease | 0       | 2931 |              | Reference         |         |
|                        | 1       | 486  | ⊧ŧ           | 1.03 (0.51, 2.08) | 0.932   |
| QTcB                   |         | 3417 |              | 1.01 (1.00, 1.02) | 0.218   |
|                        |         |      | 0.5 1 2 5    |                   |         |

**Supplementary Figure 7. Association between positive ERP in the lateral leads and cardiovascular mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν            | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|--------------|--------------|-------------------|---------|
| ERP                    | -       | 3231         |              | Reference         |         |
|                        | both +  | 96           |              | 0.00 (0.00, Inf)  | 0.995   |
| Gender                 | Male    | 1483         |              | Reference         |         |
|                        | Female  | 1844         | ⊧ <b>₩</b>   | 0.87 (0.45, 1.68) | 0.668   |
| Age                    |         | 3327         |              | 1.13 (1.09, 1.17) | <0.001  |
| ВМІ                    |         | 3327         |              | 0.99 (0.93, 1.06) | 0.843   |
| Systolic_BP            |         | 3327         |              | 1.02 (1.00, 1.04) | 0.019   |
| Diastolic_BP           |         | 3327         |              | 0.99 (0.96, 1.02) | 0.607   |
| Smoke                  | Current | 355          | <b>•</b>     | Reference         |         |
|                        | Quitted | 489          | ·            | 1.19 (0.49, 2.86) | 0.701   |
|                        | Never   | 2483         | <b>⊢</b>     | 0.74 (0.29, 1.86) | 0.521   |
| Hypertension           | 0       | 1886         |              | Reference         |         |
|                        | 1       | 144 <b>1</b> | <b>⊢</b>     | 0.90 (0.44, 1.84) | 0.768   |
| Diabetes_Mellitus      | 0       | 2778         |              | Reference         |         |
|                        | 1       | 549          | <b>⊢</b>     | 1.45 (0.82, 2.56) | 0.206   |
| Stroke                 | 0       | 3188         |              | Reference         |         |
|                        | 1       | 139          | ►            | 2.66 (1.26, 5.63) | 0.011   |
| Hyperlipidemia         | 0       | 2249         |              | Reference         |         |
|                        | 1       | 1078         |              | 0.78 (0.46, 1.34) | 0.365   |
| Chronic_Kidney_Disease | 0       | 2855         |              | Reference         |         |
|                        | 1       | 472          |              | 1.11 (0.55, 2.25) | 0.770   |
| QTcB                   |         | 3327         | <b>•</b>     | 1.01 (1.00, 1.02) | 0.114   |
|                        |         |              | 0.5 1 2 5    |                   |         |

**Supplementary Figure 8. Association between positive ERP in both inferior and lateral leads and cardiovascular mortality.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| variable               |         | N    | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|------|--------------|-------------------|---------|
| ERP                    | -       | 1117 |              | Reference         |         |
|                        | +       | 341  | <b>⊢</b> ≢1  | 1.04 (0.58, 1.86) | 0.886   |
| Gender                 | Male    | 704  |              | Reference         |         |
|                        | Female  | 754  | <b>⊢</b>     | 0.34 (0.16, 0.73) | 0.006   |
| ВМІ                    |         | 1458 |              | 0.96 (0.89, 1.04) | 0.339   |
| Systolic_BP            |         | 1458 | 1            | 1.02 (1.00, 1.05) | 0.093   |
| Diastolic_BP           |         | 1458 |              | 0.96 (0.93, 1.00) | 0.057   |
| Smoke                  | Current | 259  | •            | Reference         |         |
|                        | Quitted | 181  | ⊢            | 0.63 (0.31, 1.27) | 0.198   |
|                        | Never   | 1018 | ┝──╋──┤      | 0.40 (0.21, 0.79) | 0.008   |
| Hypertension           | 0       | 1012 | •            | Reference         |         |
|                        | 1       | 446  | ▶ <b>─₩</b>  | 0.94 (0.42, 2.10) | 0.880   |
| Diabetes_Mellitus      | 0       | 1278 | <b>.</b>     | Reference         |         |
|                        | 1       | 180  |              | 1.80 (0.96, 3.35) | 0.065   |
| Stroke                 | 0       | 1416 |              | Reference         |         |
|                        | 1       | 42   | ⊢            | 1.56 (0.55, 4.40) | 0.404   |
| Hyperlipidemia         | 0       | 993  |              | Reference         |         |
|                        | 1       | 465  | ⊢ <b>∎</b> 1 | 0.93 (0.53, 1.64) | 0.801   |
| Chronic_Kidney_Disease | 0       | 1223 |              | Reference         |         |
|                        | 1       | 235  |              | 1.62 (0.91, 2.88) | 0.103   |
| QTcB                   |         | 1458 |              | 1.01 (1.00, 1.03) | 0.012   |

**Supplementary Figure 9. Association between ERP and all-cause mortality among individuals aged 55-64 years.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio        | HR (95% CI)       | p-Value |
|------------------------|---------|------|---------------------|-------------------|---------|
| ERP                    | -       | 1660 |                     | Reference         |         |
|                        | +       | 390  | ⊢ <b>₽</b> -1       | 1.01 (0.73, 1.39) | 0.953   |
| Gender                 | Male    | 930  |                     | Reference         |         |
|                        | Female  | 1120 | ⊨-∎                 | 0.56 (0.39, 0.80) | 0.001   |
| BMI                    |         | 2050 |                     | 1.00 (0.96, 1.04) | 0.906   |
| Systolic_BP            |         | 2050 |                     | 1.02 (1.00, 1.03) | 0.008   |
| Diastolic_BP           |         | 2050 |                     | 0.97 (0.96, 0.99) | 0.004   |
| Smoke                  | Current | 238  | · ·                 | Reference         |         |
|                        | Quitted | 282  | <b>⊢</b> ∎          | 0.66 (0.45, 0.97) | 0.032   |
|                        | Never   | 1530 | ⊢∎                  | 0.44 (0.31, 0.64) | <0.001  |
| Hypertension           | 0       | 1105 | •                   | Reference         |         |
|                        | 1       | 945  | <b>⊢</b> − <b>■</b> | 0.86 (0.57, 1.30) | 0.480   |
| Diabetes_Mellitus      | 0       | 1626 |                     | Reference         |         |
|                        | 1       | 424  | ►                   | 1.18 (0.88, 1.59) | 0.264   |
| Stroke                 | 0       | 1939 |                     | Reference         |         |
|                        | 1       | 111  | ·                   | 1.98 (1.33, 2.95) | 0.001   |
| Hyperlipidemia         | 0       | 1376 |                     | Reference         |         |
|                        | 1       | 674  | <b>⊢</b> ∎−1        | 0.97 (0.73, 1.28) | 0.804   |
| Chronic_Kidney_Disease | 0       | 1748 | •                   | Reference         |         |
|                        | 1       | 302  | ► <b></b>           | 1.30 (0.93, 1.82) | 0.119   |
| QTcB                   |         | 2050 |                     | 1.01 (1.00, 1.01) | 0.001   |
|                        |         |      | 0.5 1 1.5 2 2.5     |                   |         |

**Supplementary Figure 10. Association between ERP and all-cause mortality among individuals aged 65-74 years.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|--|-------------------|---------|
| ERP                    | -       | 942  |  | Reference         |         |
|                        | +       | 157  |  | 0.87 (0.65, 1.17) | 0.357   |
| Gender                 | Male    | 568  | •  | Reference         |         |
|                        | Female  | 531  |  | 0.81 (0.62, 1.07) | 0.143   |
| ВМІ                    |         | 1099 |  | 0.92 (0.89, 0.95) | <0.001  |
| Systolic_BP            |         | 1099 |  | 1.02 (1.01, 1.03) | <0.001  |
| Diastolic_BP           |         | 1099 | , in the second se | 0.98 (0.97, 0.99) | 0.002   |
| Smoke                  | Current | 108  | •  | Reference         |         |
|                        | Quitted | 252  | ┝──■──   | 0.78 (0.55, 1.09) | 0.150   |
|                        | Never   | 739  | ⊢  | 0.68 (0.48, 0.96) | 0.030   |
| Hypertension           | 0       | 484  | •  | Reference         |         |
|                        | 1       | 615  | ⊢∎   | 0.85 (0.61, 1.17) | 0.319   |
| Diabetes_Mellitus      | 0       | 881  | <b></b>  | Reference         |         |
|                        | 1       | 218  | <b>⊢</b> ∎1  | 1.42 (1.11, 1.81) | 0.005   |
| Stroke                 | 0       | 1022 |  | Reference         |         |
|                        | 1       | 77   | ·  | 1.89 (1.35, 2.64) | <0.001  |
| Hyperlipidemia         | 0       | 782  | , in the second se | Reference         |         |
|                        | 1       | 317  | ⊢∎→  | 0.82 (0.64, 1.04) | 0.101   |
| Chronic_Kidney_Disease | 0       | 970  |  | Reference         |         |
|                        | 1       | 129  | ┝┿╼╋╌┥   | 1.22 (0.90, 1.65) | 0.196   |
| QTcB                   |         | 1099 |  | 1.01 (1.00, 1.01) | 0.008   |

Supplementary Figure 11. Association between ERP and all-cause mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio  | HR (95% CI)        | p-Value |
|------------------------|---------|------|---|--------------------|---------|
| ERP                    | -       | 1076 | ,   | Reference          |         |
|                        | +       | 326  | ·   | 1.08 (0.21, 5.68)  | 0.928   |
| Gender                 | Male    | 660  |   | Reference          |         |
|                        | Female  | 742  | ⊢ <b>_</b>  | 0.25 (0.03, 1.91)  | 0.183   |
| BMI                    |         | 1402 |   | 1.23 (1.02, 1.47)  | 0.027   |
| Systolic_BP            |         | 1402 |   | 1.02 (0.93, 1.13)  | 0.654   |
| Diastolic_BP           |         | 1402 | , in the second se  | 0.90 (0.79, 1.03)  | 0.139   |
| Smoke                  | Current | 235  | , in the second | Reference          |         |
|                        | Quitted | 169  |   | 0.00 (0.00, Inf)   | 0.999   |
|                        | Never   | 998  | F   | 1.27 (0.21, 7.78)  | 0.798   |
| Hypertension           | 0       | 977  |   | Reference          |         |
|                        | 1       | 425  | ·•  | 1.46 (0.09, 24.09) | 0.790   |
| Diabetes_Mellitus      | 0       | 1237 |   | Reference          |         |
|                        | 1       | 165  |   | 0.00 (0.00, Inf)   | 0.999   |
| Stroke                 | 0       | 1364 | <b>.</b>  | Reference          |         |
|                        | 1       | 38   |   | 0.00 (0.00, Inf)   | 0.999   |
| Hyperlipidemia         | 0       | 954  |   | Reference          |         |
|                        | 1       | 448  | • <b>•</b> •  | 1.09 (0.20, 6.03)  | 0.922   |
| Chronic_Kidney_Disease | 0       | 1180 |   | Reference          |         |
|                        | 1       | 222  | <b>—</b>  | 4.83 (1.03, 22.61) | 0.046   |
| QTcB                   |         | 1402 |   | 0.99 (0.95, 1.03)  | 0.503   |

0.050.1 0.2 0.5 1 2 5 10 20

**Supplementary Figure 12. Association between ERP and cardiovascular mortality among individuals aged 55-64 years.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio  | HR (95% CI)       | p-Value |
|------------------------|---------|------|---|-------------------|---------|
| ERP                    | -       | 1489 | , in the second | Reference         |         |
|                        | +       | 346  |   | 0.83 (0.28, 2.47) | 0.744   |
| Gender                 | Male    | 792  | •   | Reference         |         |
|                        | Female  | 1043 | <b>⊢</b> _∎   | 0.38 (0.13, 1.10) | 0.075   |
| ВМІ                    |         | 1835 |   | 1.02 (0.90, 1.15) | 0.773   |
| Systolic_BP            |         | 1835 |   | 1.00 (0.96, 1.04) | 0.946   |
| Diastolic_BP           |         | 1835 | <b></b>   | 1.00 (0.95, 1.05) | 0.986   |
| Smoke                  | Current | 183  |   | Reference         |         |
|                        | Quitted | 239  |   | 0.89 (0.26, 3.01) | 0.850   |
|                        | Never   | 1413 |   | 0.68 (0.21, 2.19) | 0.517   |
| Hypertension           | 0       | 988  | •   | Reference         |         |
|                        | 1       | 847  |   | 1.72 (0.50, 5.93) | 0.391   |
| Diabetes_Mellitus      | 0       | 1471 | , in the second se  | Reference         |         |
|                        | 1       | 364  | ▶ <b></b> ₩   | 1.17 (0.47, 2.92) | 0.731   |
| Stroke                 | 0       | 1748 |   | Reference         |         |
|                        | 1       | 87   |   | 3.59 (1.30, 9.92) | 0.014   |
| Hyperlipidemia         | 0       | 1229 |   | Reference         |         |
|                        | 1       | 606  | ⊢ <b>∎</b>  | 0.87 (0.37, 2.04) | 0.744   |
| Chronic_Kidney_Disease | 0       | 1575 |   | Reference         |         |
|                        | 1       | 260  |   | 0.26 (0.03, 1.90) | 0.182   |
| QTcB                   |         | 1835 |   | 1.02 (1.00, 1.04) | 0.017   |
|                        |         |      | 0.05 0.1 0.2 0.5 1 2 5  |                   |         |

**Supplementary Figure 13. Association between ERP and cardiovascular mortality among individuals aged 65-74 years.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|-----|--------------|-------------------|---------|
| ERP                    | -       | 666 | <b>.</b>     | Reference         |         |
|                        | +       | 112 | <b>⊢</b>     | 1.54 (0.77, 3.07) | 0.219   |
| Gender                 | Male    | 378 | •            | Reference         |         |
|                        | Female  | 400 | <b>⊢</b>     | 1.99 (0.82, 4.82) | 0.125   |
| BMI                    |         | 778 |              | 0.95 (0.87, 1.03) | 0.187   |
| Systolic_BP            |         | 778 | 1            | 1.03 (1.01, 1.05) | 0.014   |
| Diastolic_BP           |         | 778 | <b>H</b>     | 0.98 (0.95, 1.01) | 0.136   |
| Smoke                  | Current | 59  |              | Reference         |         |
|                        | Quitted | 175 | ·            | 1.25 (0.44, 3.54) | 0.673   |
|                        | Never   | 544 | <b>⊢</b>     | 0.55 (0.17, 1.78) | 0.317   |
| Hypertension           | 0       | 348 | •            | Reference         |         |
|                        | 1       | 430 | ▶            | 0.85 (0.36, 2.01) | 0.712   |
| Diabetes_Mellitus      | 0       | 639 | ļ            | Reference         |         |
|                        | 1       | 139 |              | 1.77 (0.95, 3.28) | 0.070   |
| Stroke                 | 0       | 739 |              | Reference         |         |
|                        | 1       | 39  | ·            | 1.29 (0.40, 4.21) | 0.671   |
| Hyperlipidemia         | 0       | 539 |              | Reference         |         |
|                        | 1       | 239 |              | 0.76 (0.41, 1.42) | 0.395   |
| Chronic_Kidney_Disease | 0       | 693 | •            | Reference         |         |
|                        | 1       | 85  | ·•           | 1.03 (0.43, 2.44) | 0.956   |
| QTcB                   |         | 778 | <b>•</b>     | 1.01 (1.00, 1.02) | 0.193   |

Supplementary Figure 14. Association between ERP and cardiovascular mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio                            | HR (95% CI)       | p-Value |
|------------------------|---------|------|---|-------------------|---------|
| ERP                    | -       | 1117 | <b>I</b>                                | Reference         |         |
|                        | inf. +  | 203  | <b>⊢</b> _ <b>∎</b> i                   | 0.78 (0.36, 1.69) | 0.523   |
| Gender                 | Male    | 627  |   | Reference         |         |
|                        | Female  | 693  | <b>⊢</b>                                | 0.28 (0.12, 0.64) | 0.003   |
| ВМІ                    |         | 1320 |   | 0.95 (0.88, 1.03) | 0.218   |
| Systolic_BP            |         | 1320 | 1                                       | 1.02 (0.99, 1.05) | 0.163   |
| Diastolic_BP           |         | 1320 | , i i i i i i i i i i i i i i i i i i i | 0.98 (0.93, 1.02) | 0.251   |
| Smoke                  | Current | 232  | · ·                                     | Reference         |         |
|                        | Quitted | 160  | ⊢ <b>∎</b>                              | 0.61 (0.28, 1.31) | 0.207   |
|                        | Never   | 928  | <b>⊢₩</b> 4                             | 0.46 (0.23, 0.94) | 0.032   |
| Hypertension           | 0       | 912  |   | Reference         |         |
|                        | 1       | 408  | ▶ <b>─</b> ─ <b>₩─</b> ─ <b>1</b>       | 0.91 (0.38, 2.15) | 0.827   |
| Diabetes_Mellitus      | 0       | 1153 | <b>•</b>                                | Reference         |         |
|                        | 1       | 167  | } <b>∎</b> 1                            | 1.95 (1.01, 3.77) | 0.046   |
| Stroke                 | 0       | 1282 | 1<br>1<br>1                             | Reference         |         |
|                        | 1       | 38   | ⊢I                                      | 1.93 (0.67, 5.56) | 0.225   |
| Hyperlipidemia         | 0       | 897  |   | Reference         |         |
|                        | 1       | 423  | <b>⊢</b> - <b>∎</b> 1                   | 0.86 (0.46, 1.59) | 0.633   |
| Chronic_Kidney_Disease | 0       | 1103 |   | Reference         |         |
|                        | 1       | 217  | <b>→</b>                                | 1.80 (0.98, 3.30) | 0.057   |
| QTcB                   |         | 1320 |   | 1.01 (1.00, 1.03) | 0.020   |

Supplementary Figure 15. Association between positive ERP in inferior leads and all-cause mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|------|--------------|-------------------|---------|
| ERP                    | -       | 1660 |              | Reference         |         |
|                        | inf. +  | 249  | <b>⊢</b>     | 0.99 (0.68, 1.46) | 0.966   |
| Gender                 | Male    | 859  |              | Reference         |         |
|                        | Female  | 1050 | ⊢∎→          | 0.57 (0.39, 0.83) | 0.003   |
| ВМІ                    |         | 1909 |              | 0.99 (0.95, 1.03) | 0.583   |
| Systolic_BP            |         | 1909 |              | 1.02 (1.00, 1.03) | 0.016   |
| Diastolic_BP           |         | 1909 |              | 0.97 (0.95, 0.99) | 0.003   |
| Smoke                  | Current | 218  | · ·          | Reference         |         |
|                        | Quitted | 269  | ⊢₋∎          | 0.64 (0.43, 0.95) | 0.026   |
|                        | Never   | 1422 | <b>⊢</b> ∎→  | 0.43 (0.29, 0.64) | <0.001  |
| Hypertension           | 0       | 1028 | •            | Reference         |         |
|                        | 1       | 881  |              | 0.91 (0.59, 1.38) | 0.646   |
| Diabetes_Mellitus      | 0       | 1512 |              | Reference         |         |
|                        | 1       | 397  | ►            | 1.17 (0.86, 1.59) | 0.329   |
| Stroke                 | 0       | 1803 |              | Reference         |         |
|                        | 1       | 106  | ·₩1          | 2.04 (1.36, 3.06) | 0.001   |
| Hyperlipidemia         | 0       | 1273 |              | Reference         |         |
|                        | 1       | 636  | <b>⊢</b> ∰1  | 0.97 (0.73, 1.30) | 0.859   |
| Chronic_Kidney_Disease | 0       | 1627 |              | Reference         |         |
|                        | 1       | 282  | ┝┼╋╌┥        | 1.28 (0.91, 1.81) | 0.161   |
| QTcB                   |         | 1909 |              | 1.01 (1.00, 1.01) | 0.003   |

**Supplementary Figure 16. Association between positive ERP in the inferior leads and all-cause mortality among individuals aged 65-74 years.** The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|----------------|-------------------|---------|
| ERP                    | -       | 942  | <b>P</b>       | Reference         |         |
|                        | inf. +  | 121  | ⊢ <b>∎</b>     | 0.86 (0.63, 1.19) | 0.361   |
| Gender                 | Male    | 552  |                | Reference         |         |
|                        | Female  | 511  | ⊨∎             | 0.84 (0.63, 1.12) | 0.242   |
| ВМІ                    |         | 1063 |                | 0.92 (0.89, 0.95) | <0.001  |
| Systolic_BP            |         | 1063 | 1<br>          | 1.02 (1.01, 1.03) | <0.001  |
| Diastolic_BP           |         | 1063 |                | 0.98 (0.97, 0.99) | 0.002   |
| Smoke                  | Current | 104  |                | Reference         |         |
|                        | Quitted | 245  | ⊨∎             | 0.77 (0.55, 1.08) | 0.134   |
|                        | Never   | 714  | <b>⊢</b>       | 0.63 (0.44, 0.90) | 0.011   |
| Hypertension           | 0       | 467  |                | Reference         |         |
|                        | 1       | 596  | ⊢∎             | 0.85 (0.61, 1.18) | 0.333   |
| Diabetes_Mellitus      | 0       | 852  |                | Reference         |         |
|                        | 1       | 211  | k <b>-∎</b> -1 | 1.44 (1.13, 1.85) | 0.004   |
| Stroke                 | 0       | 987  | ,<br>,         | Reference         |         |
|                        | 1       | 76   | ·∎•            | 1.86 (1.32, 2.61) | <0.001  |
| Hyperlipidemia         | 0       | 757  | <b>•</b>       | Reference         |         |
|                        | 1       | 306  |                | 0.81 (0.63, 1.03) | 0.086   |
| Chronic_Kidney_Disease | 0       | 940  |                | Reference         |         |
|                        | 1       | 123  | <b>⊢</b>       | 1.23 (0.90, 1.68) | 0.189   |
| QTcB                   |         | 1063 | <b>.</b>       | 1.01 (1.00, 1.01) | 0.014   |

Supplementary Figure 17. Association between positive ERP in the inferior leads and all-cause mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N                 | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|-------------------|--------------|-------------------|---------|
| ERP                    | -       | 1117              |              | Reference         |         |
|                        | lat. +  | 95                | <b>H</b>     | 1.89 (0.88, 4.08) | 0.104   |
| Gender                 | Male    | 568               | •            | Reference         |         |
|                        | Female  | 644               | · <b>₽</b> i | 0.26 (0.11, 0.60) | 0.002   |
| ВМІ                    |         | 1212              |              | 0.96 (0.88, 1.04) | 0.282   |
| Systolic_BP            |         | 1212              | 1            | 1.02 (0.99, 1.05) | 0.255   |
| Diastolic_BP           |         | 1212              |              | 0.97 (0.93, 1.01) | 0.157   |
| Smoke                  | Current | 193               |              | Reference         |         |
|                        | Quitted | 15 <mark>1</mark> | <b>⊢</b> ∎   | 0.59 (0.28, 1.22) | 0.154   |
|                        | Never   | 868               | ⊢∎1          | 0.39 (0.19, 0.79) | 0.009   |
| Hypertension           | 0       | 839               | •            | Reference         |         |
|                        | 1       | 373               |              | 0.99 (0.41, 2.39) | 0.985   |
| Diabetes_Mellitus      | 0       | 1068              | <b>•</b>     | Reference         |         |
|                        | 1       | 144               |              | 2.07 (1.06, 4.08) | 0.034   |
| Stroke                 | 0       | 1180              | 1            | Reference         |         |
|                        | 1       | 32                | ⊧ <u></u>    | 1.47 (0.44, 4.88) | 0.529   |
| Hyperlipidemia         | 0       | 817               |              | Reference         |         |
|                        | 1       | 395               | ⊢ <b>∎</b>   | 0.71 (0.38, 1.34) | 0.289   |
| Chronic_Kidney_Disease | 0       | 1011              |              | Reference         |         |
|                        | 1       | 201               | ▶            | 1.55 (0.83, 2.89) | 0.166   |
| QTcB                   |         | 1212              | <b>•</b>     | 1.01 (1.00, 1.03) | 0.022   |

Supplementary Figure 18. Association between positive ERP in the lateral leads and all-cause mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|----------------|-------------------|---------|
| ERP                    | -       | 1660 |                | Reference         |         |
|                        | lat. +  | 95   | <b>⊢</b>       | 1.36 (0.78, 2.35) | 0.277   |
| Gender                 | Male    | 778  | •              | Reference         |         |
|                        | Female  | 977  | ⊢ <b>∎</b>     | 0.53 (0.36, 0.78) | 0.001   |
| ВМІ                    |         | 1755 |                | 0.99 (0.95, 1.04) | 0.783   |
| Systolic_BP            |         | 1755 |                | 1.02 (1.01, 1.03) | 0.005   |
| Diastolic_BP           |         | 1755 | <b>•</b>       | 0.97 (0.95, 0.99) | 0.002   |
| Smoke                  | Current | 190  |                | Reference         |         |
|                        | Quitted | 235  | ⊢-∎1           | 0.58 (0.39, 0.89) | 0.011   |
|                        | Never   | 1330 | ┝╌╋╌┥          | 0.40 (0.27, 0.59) | <0.001  |
| Hypertension           | 0       | 929  | •              | Reference         |         |
|                        | 1       | 826  | ┝──╋──┥        | 0.85 (0.55, 1.32) | 0.478   |
| Diabetes_Mellitus      | 0       | 1394 | <b>•</b>       | Reference         |         |
|                        | 1       | 361  | <b>⊢−₩</b> −−4 | 1.10 (0.80, 1.52) | 0.565   |
| Stroke                 | 0       | 1651 | <b>•</b>       | Reference         |         |
|                        | 1       | 104  | ·∎1            | 2.11 (1.40, 3.17) | <0.001  |
| Hyperlipidemia         | 0       | 1186 |                | Reference         |         |
|                        | 1       | 569  | ⊢ <b>∎</b> -1  | 0.96 (0.71, 1.31) | 0.802   |
| Chronic_Kidney_Disease | 0       | 1496 | •              | Reference         |         |
|                        | 1       | 259  | ┝┽╋╌┥          | 1.24 (0.86, 1.78) | 0.253   |
| QTcB                   |         | 1755 |                | 1.01 (1.00, 1.02) | 0.001   |

Supplementary Figure 19. Association between positive ERP in the lateral leads and all-cause mortality among individuals aged 65-74 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|-----|--------------|-------------------|---------|
| ERP                    | -       | 942 |              | Reference         |         |
|                        | lat. +  | 24  | <b>⊢</b> i   | 1.24 (0.66, 2.35) | 0.501   |
| Gender                 | Male    | 489 |              | Reference         |         |
|                        | Female  | 477 |              | 0.76 (0.57, 1.02) | 0.066   |
| ВМІ                    |         | 966 |              | 0.91 (0.88, 0.95) | <0.001  |
| Systolic_BP            |         | 966 | -            | 1.02 (1.01, 1.03) | <0.001  |
| Diastolic_BP           |         | 966 |              | 0.98 (0.97, 1.00) | 0.012   |
| Smoke                  | Current | 85  | -            | Reference         |         |
|                        | Quitted | 219 | ⊧ <b>₩</b>   | 0.85 (0.58, 1.24) | 0.393   |
|                        | Never   | 662 |              | 0.74 (0.51, 1.09) | 0.130   |
| Hypertension           | 0       | 424 |              | Reference         |         |
|                        | 1       | 542 | ⊢ <b>∎</b>   | 0.80 (0.57, 1.13) | 0.206   |
| Diabetes_Mellitus      | 0       | 775 |              | Reference         |         |
|                        | 1       | 191 |              | 1.38 (1.06, 1.80) | 0.017   |
| Stroke                 | 0       | 899 | · ·          | Reference         |         |
|                        | 1       | 67  | <b>⊢</b>     | 1.94 (1.35, 2.79) | <0.001  |
| Hyperlipidemia         | 0       | 680 | <b>.</b>     | Reference         |         |
|                        | 1       | 286 |              | 0.81 (0.62, 1.05) | 0.106   |
| Chronic_Kidney_Disease | 0       | 855 |              | Reference         |         |
|                        | 1       | 111 | ⊢₋           | 1.20 (0.86, 1.65) | 0.280   |
| QTcB                   |         | 966 | •            | 1.00 (1.00, 1.01) | 0.052   |

Supplementary Figure 20. Association between positive ERP in the lateral leads and all-cause mortality among those aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|--|-------------------|---------|
| ERP                    | -       | 1117 |  | Reference         |         |
|                        | both +  | 43   | <b>⊢</b>   | 0.48 (0.07, 3.55) | 0.475   |
| Gender                 | Male    | 543  | •  | Reference         |         |
|                        | Female  | 617  | ┝──╋──┤  | 0.24 (0.10, 0.59) | 0.002   |
| ВМІ                    |         | 1160 |  | 0.94 (0.87, 1.03) | 0.185   |
| Systolic_BP            |         | 1160 |  | 1.01 (0.98, 1.04) | 0.437   |
| Diastolic_BP           |         | 1160 |  | 0.99 (0.94, 1.03) | 0.547   |
| Smoke                  | Current | 182  |  | Reference         |         |
|                        | Quitted | 144  | <b>⊢</b> ∎   | 0.57 (0.25, 1.30) | 0.181   |
|                        | Never   | 834  |  | 0.47 (0.22, 0.97) | 0.041   |
| Hypertension           | 0       | 807  | •  | Reference         |         |
|                        | 1       | 353  | ⊨ <b>.</b>   | 0.95 (0.37, 2.44) | 0.923   |
| Diabetes_Mellitus      | 0       | 1023 | <b></b>  | Reference         |         |
|                        | 1       | 137  | <u>}</u> _∎_₁  | 2.11 (1.04, 4.30) | 0.039   |
| Stroke                 | 0       | 1130 | · ·  | Reference         |         |
|                        | 1       | 30   | ▶ <u></u>  | 1.67 (0.50, 5.61) | 0.404   |
| Hyperlipidemia         | 0       | 783  | , in the second se | Reference         |         |
|                        | 1       | 377  | <b>⊢-₩</b> -1  | 0.75 (0.39, 1.47) | 0.406   |
| Chronic_Kidney_Disease | 0       | 967  | •  | Reference         |         |
|                        | 1       | 193  | <b>⊢</b> ∎1  | 1.67 (0.87, 3.21) | 0.123   |
| QTcB                   |         | 1160 |  | 1.01 (1.00, 1.03) | 0.020   |

Supplementary Figure 21. Association between positive ERP in both inferior leads and lateral leads and all-cause mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio       | HR (95% CI)       | p-Value |
|------------------------|---------|------|--------------------|-------------------|---------|
| ERP                    | -       | 1660 |                    | Reference         |         |
|                        | both +  | 46   | <b>⊢−−−</b> ∎−−−−1 | 0.47 (0.15, 1.48) | 0.195   |
| Gender                 | Male    | 767  | •                  | Reference         |         |
|                        | Female  | 939  | ⊢∎⊣                | 0.54 (0.36, 0.82) | 0.003   |
| ВМІ                    |         | 1706 |                    | 0.98 (0.94, 1.02) | 0.400   |
| Systolic_BP            |         | 1706 | 1                  | 1.02 (1.01, 1.04) | 0.002   |
| Diastolic_BP           |         | 1706 | ,<br>,             | 0.97 (0.95, 0.99) | 0.001   |
| Smoke                  | Current | 190  |                    | Reference         |         |
|                        | Quitted | 240  | ⊢∎→                | 0.60 (0.40, 0.91) | 0.017   |
|                        | Never   | 1276 | ⊢∎⊣                | 0.38 (0.25, 0.58) | <0.001  |
| Hypertension           | 0       | 902  | •                  | Reference         |         |
|                        | 1       | 804  | ⊢∎                 | 0.85 (0.54, 1.33) | 0.471   |
| Diabetes_Mellitus      | 0       | 1352 |                    | Reference         |         |
|                        | 1       | 354  | ⊨ <b>≣</b> -1      | 1.12 (0.81, 1.56) | 0.495   |
| Stroke                 | 0       | 1607 |                    | Reference         |         |
|                        | 1       | 99   | ⊢∎→                | 2.16 (1.42, 3.28) | <0.001  |
| Hyperlipidemia         | 0       | 1149 |                    | Reference         |         |
|                        | 1       | 557  | ⊢ <b>₽</b> -1      | 1.07 (0.78, 1.45) | 0.682   |
| Chronic_Kidney_Disease | 0       | 1455 | •                  | Reference         |         |
|                        | 1       | 251  | <b>⊢</b> ∎-1       | 1.27 (0.88, 1.83) | 0.209   |
| QTcB                   |         | 1706 | <b>•</b>           | 1.01 (1.00, 1.02) | 0.001   |

Supplementary Figure 22. Association between positive ERP in both inferior and lateral leads and all-cause mortality among individuals aged 65-74 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|-----|--|-------------------|---------|
| ERP                    | -       | 942 |  | Reference         |         |
|                        | both +  | 12  | <b>⊢</b>   | 0.21 (0.03, 1.53) | 0.124   |
| Gender                 | Male    | 483 |  | Reference         |         |
|                        | Female  | 471 | ۲  | 0.79 (0.58, 1.06) | 0.119   |
| ВМІ                    |         | 954 |  | 0.92 (0.89, 0.95) | <0.001  |
| Systolic_BP            |         | 954 | 1  | 1.02 (1.01, 1.03) | <0.001  |
| Diastolic_BP           |         | 954 |  | 0.98 (0.97, 1.00) | 0.014   |
| Smoke                  | Current | 85  | · ·  | Reference         |         |
|                        | Quitted | 218 | r∎r  | 0.85 (0.58, 1.24) | 0.404   |
|                        | Never   | 651 | ⊢∎⊣  | 0.71 (0.48, 1.05) | 0.083   |
| Hypertension           | 0       | 415 |  | Reference         |         |
|                        | 1       | 539 | ⊦∎н  | 0.80 (0.57, 1.13) | 0.213   |
| Diabetes_Mellitus      | 0       | 768 | , in the second se   | Reference         |         |
|                        | 1       | 186 | H <b>ar</b> t  | 1.42 (1.09, 1.86) | 0.010   |
| Stroke                 | 0       | 888 | 1  | Reference         |         |
|                        | 1       | 66  | ⊦∎⊣  | 1.90 (1.32, 2.75) | 0.001   |
| Hyperlipidemia         | 0       | 673 | , i i i i i i i i i i i i i i i i i i i  | Reference         |         |
|                        | 1       | 281 | La contra | 0.78 (0.60, 1.02) | 0.070   |
| Chronic_Kidney_Disease | 0       | 845 | •  | Reference         |         |
|                        | 1       | 109 | H <b>a</b> i   | 1.20 (0.86, 1.67) | 0.278   |
| QTcB                   |         | 954 |  | 1.00 (1.00, 1.01) | 0.072   |

Supplementary Figure 23. Association between positive ERP in both inferior and lateral leads and all-cause mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν    | Hazard ratio   | HR (95% CI)        | p-Value |
|------------------------|---------|------|--|--------------------|---------|
| ERP                    | -       | 1076 |  | Reference          |         |
|                        | inf. +  | 196  | <b>⊢</b>   | 0.93 (0.10, 8.19)  | 0.944   |
| Gender                 | Male    | 588  | •  | Reference          |         |
|                        | Female  | 684  | ·∎i  | 0.26 (0.03, 2.05)  | 0.203   |
| ВМІ                    |         | 1272 |  | 1.24 (1.04, 1.48)  | 0.017   |
| Systolic_BP            |         | 1272 |  | 1.03 (0.93, 1.14)  | 0.594   |
| Diastolic_BP           |         | 1272 |  | 0.92 (0.79, 1.06)  | 0.244   |
| Smoke                  | Current | 211  |  | Reference          |         |
|                        | Quitted | 150  |  | 0.00 (0.00, Inf)   | 0.999   |
|                        | Never   | 911  | <b>⊢</b>   | 2.39 (0.24, 24.16) | 0.462   |
| Hypertension           | 0       | 883  | •  | Reference          |         |
|                        | 1       | 389  | ·  | 1.35 (0.07, 25.99) | 0.842   |
| Diabetes_Mellitus      | 0       | 1119 | <b>•</b>   | Reference          |         |
|                        | 1       | 153  |  | 0.00 (0.00, Inf)   | 0.999   |
| Stroke                 | 0       | 1238 | 1<br>1   | Reference          |         |
|                        | 1       | 34   |  | 0.00 (0.00, Inf)   | 1.000   |
| Hyperlipidemia         | 0       | 863  | , in the second se | Reference          |         |
|                        | 1       | 409  |  | 1.18 (0.19, 7.18)  | 0.857   |
| Chronic_Kidney_Disease | 0       | 1067 |  | Reference          |         |
|                        | 1       | 205  |  | 5.62 (1.09, 28.99) | 0.039   |
| QTcB                   |         | 1272 | •  | 0.99 (0.95, 1.03)  | 0.542   |

Supplementary Figure 24. Association between positive ERP in the inferior leads and cardiovascular mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio   | HR (95% CI)       | p-Value |
|------------------------|---------|------|--|-------------------|---------|
| ERP                    | -       | 1489 |  | Reference         |         |
|                        | inf. +  | 221  | ⊢ <b></b>  | 0.93 (0.27, 3.21) | 0.913   |
| Gender                 | Male    | 733  |  | Reference         |         |
|                        | Female  | 977  | ⊢ <b>_</b>   | 0.30 (0.10, 0.90) | 0.032   |
| ВМІ                    |         | 1710 |  | 1.02 (0.91, 1.15) | 0.743   |
| Systolic_BP            |         | 1710 | •  | 1.00 (0.97, 1.04) | 0.822   |
| Diastolic_BP           |         | 1710 |  | 1.00 (0.95, 1.05) | 0.963   |
| Smoke                  | Current | 167  | · ·  | Reference         |         |
|                        | Quitted | 229  | ⊢ <b>₽</b>   | 0.90 (0.26, 3.04) | 0.861   |
|                        | Never   | 1314 | ⊨ <b>₩</b>   | 0.74 (0.23, 2.45) | 0.626   |
| Hypertension           | 0       | 919  | •  | Reference         |         |
|                        | 1       | 791  | ▶ <b></b>  | 1.62 (0.47, 5.63) | 0.449   |
| Diabetes_Mellitus      | 0       | 1368 | , in the second se | Reference         |         |
|                        | 1       | 342  | ⊢ <b>⊢</b>   | 1.22 (0.49, 3.06) | 0.672   |
| Stroke                 | 0       | 1627 | , I  | Reference         |         |
|                        | 1       | 83   | <b>⊢</b> ∎   | 3.57 (1.29, 9.87) | 0.014   |
| Hyperlipidemia         | 0       | 1138 |  | Reference         |         |
|                        | 1       | 572  | ⊢ <b>₽</b>   | 0.90 (0.38, 2.13) | 0.805   |
| Chronic_Kidney_Disease | 0       | 1467 | •  | Reference         |         |
|                        | 1       | 243  |  | 0.26 (0.04, 1.96) | 0.192   |
| QTcB                   |         | 1710 |  | 1.02 (1.01, 1.04) | 0.006   |

Supplementary Figure 25. Association between positive ERP in the inferior leads and cardiovascular mortality among individuals aged 65-74 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio | HR (95% CI)       | p-Value |
|------------------------|---------|-----|--------------|-------------------|---------|
| ERP                    | -       | 666 |              | Reference         |         |
|                        | inf. +  | 85  | ⊢            | 1.72 (0.81, 3.63) | 0.159   |
| Gender                 | Male    | 366 |              | Reference         |         |
|                        | Female  | 385 |              | 2.44 (0.94, 6.36) | 0.067   |
| ВМІ                    |         | 751 |              | 0.96 (0.88, 1.04) | 0.280   |
| Systolic_BP            |         | 751 |              | 1.03 (1.00, 1.05) | 0.017   |
| Diastolic_BP           |         | 751 |              | 0.98 (0.94, 1.01) | 0.121   |
| Smoke                  | Current | 55  | -            | Reference         |         |
|                        | Quitted | 169 | <b>⊢</b>     | 1.22 (0.43, 3.45) | 0.713   |
|                        | Never   | 527 |              | 0.42 (0.12, 1.45) | 0.169   |
| Hypertension           | 0       | 335 | •            | Reference         |         |
|                        | 1       | 416 | <b>⊢</b>     | 0.97 (0.40, 2.32) | 0.941   |
| Diabetes_Mellitus      | 0       | 617 |              | Reference         |         |
|                        | 1       | 134 | <b>↓</b>     | 1.83 (0.98, 3.41) | 0.058   |
| Stroke                 | 0       | 712 |              | Reference         |         |
|                        | 1       | 39  |              | 1.25 (0.38, 4.07) | 0.715   |
| Hyperlipidemia         | 0       | 520 |              | Reference         |         |
|                        | 1       | 231 |              | 0.79 (0.42, 1.49) | 0.471   |
| Chronic_Kidney_Disease | 0       | 670 |              | Reference         |         |
|                        | 1       | 81  | <b>⊢</b>     | 1.08 (0.45, 2.57) | 0.869   |
| QTcB                   |         | 751 |              | 1.01 (1.00, 1.02) | 0.181   |

Supplementary Figure 26. Association between positive ERP in the inferior leads and cardiovascular mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio  | HR (95% CI)        | p-Value |
|------------------------|---------|------|---------------|--------------------|---------|
| ERP                    | -       | 1076 |               | Reference          |         |
|                        | lat. +  | 88   | <b>⊢</b>      | 1.99 (0.21, 18.98) | 0.549   |
| Gender                 | Male    | 529  |               | Reference          |         |
|                        | Female  | 635  | ▶ <b>──</b> ₩ | 0.18 (0.02, 2.06)  | 0.166   |
| ВМІ                    |         | 1164 |               | 1.27 (1.03, 1.58)  | 0.029   |
| Systolic_BP            |         | 1164 |               | 1.01 (0.91, 1.12)  | 0.865   |
| Diastolic_BP           |         | 1164 |               | 0.91 (0.79, 1.05)  | 0.189   |
| Smoke                  | Current | 173  |               | Reference          |         |
|                        | Quitted | 140  |               | 0.00 (0.00, Inf)   | 0.999   |
|                        | Never   | 851  | <b>⊢</b>      | 1.29 (0.20, 8.23)  | 0.788   |
| Hypertension           | 0       | 809  | <b>•</b>      | Reference          |         |
|                        | 1       | 355  | <b>⊢</b>      | 2.42 (0.10, 60.13) | 0.590   |
| Diabetes_Mellitus      | 0       | 1033 | <b></b>       | Reference          |         |
|                        | 1       | 131  |               | 0.00 (0.00, Inf)   | 0.999   |
| Stroke                 | 0       | 1135 | ,<br>,        | Reference          |         |
|                        | 1       | 29   |               | 0.00 (0.00, Inf)   | 1.000   |
| Hyperlipidemia         | 0       | 782  | <b>.</b>      | Reference          |         |
|                        | 1       | 382  | <b>⊢</b> ∎    | 0.48 (0.05, 4.70)  | 0.528   |
| Chronic_Kidney_Disease | 0       | 974  |               | Reference          |         |
|                        | 1       | 190  | <b>—</b>      | 6.19 (1.17, 32.85) | 0.032   |
| QTcB                   |         | 1164 |               | 0.98 (0.94, 1.02)  | 0.317   |

0.020.050.10.2 0.5 1 2 5 10 20 50

Supplementary Figure 27. Association between positive ERP in the lateral leads and cardiovascular mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio                          | HR (95% CI)        | p-Value |
|------------------------|---------|------|---------------------------------------|--------------------|---------|
| ERP                    | -       | 1489 |                                       | Reference          |         |
|                        | lat. +  | 82   | ·                                     | 1.05 (0.14, 7.98)  | 0.960   |
| Gender                 | Male    | 661  |                                       | Reference          |         |
|                        | Female  | 910  | ⊢∎→                                   | 0.30 (0.10, 0.93)  | 0.038   |
| ВМІ                    |         | 1571 |                                       | 1.02 (0.90, 1.15)  | 0.786   |
| Systolic_BP            |         | 1571 | ,                                     | 0.99 (0.95, 1.04)  | 0.678   |
| Diastolic_BP           |         | 1571 | i i i i i i i i i i i i i i i i i i i | 1.02 (0.96, 1.08)  | 0.460   |
| Smoke                  | Current | 142  |                                       | Reference          |         |
|                        | Quitted | 200  | ⊢ <b>≞</b>                            | 0.99 (0.27, 3.65)  | 0.992   |
|                        | Never   | 1229 | <b>⊢_∎</b>                            | 0.75 (0.21, 2.66)  | 0.661   |
| Hypertension           | 0       | 832  | •                                     | Reference          |         |
|                        | 1       | 739  |                                       | 1.27 (0.34, 4.79)  | 0.727   |
| Diabetes_Mellitus      | 0       | 1260 | <b>H</b>                              | Reference          |         |
|                        | 1       | 311  | ▶ <b>₩</b> 1                          | 0.90 (0.32, 2.56)  | 0.850   |
| Stroke                 | 0       | 1490 |                                       | Reference          |         |
|                        | 1       | 81   | ·■•                                   | 4.27 (1.52, 11.97) | 0.006   |
| Hyperlipidemia         | 0       | 1058 |                                       | Reference          |         |
|                        | 1       | 513  | ⊢∎                                    | 0.75 (0.29, 1.93)  | 0.546   |
| Chronic_Kidney_Disease | 0       | 1347 | •                                     | Reference          |         |
|                        | 1       | 224  | ▶ <b></b>                             | 0.28 (0.04, 2.08)  | 0.213   |
| QTcB                   |         | 1571 |                                       | 1.02 (1.01, 1.04)  | 0.010   |

Supplementary Figure 28. Association between positive ERP in the lateral leads and cardiovascular mortality among individuals aged 65-74 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio       | HR (95% CI)        | p-Value |
|------------------------|---------|-----|--------------------|--------------------|---------|
| ERP                    | -       | 666 |                    | Reference          |         |
|                        | lat. +  | 16  |                    | 1.99 (0.47, 8.37)  | 0.348   |
| Gender                 | Male    | 320 |                    | Reference          |         |
|                        | Female  | 362 |                    | 1.93 (0.72, 5.16)  | 0.191   |
| ВМІ                    |         | 682 | <b></b>            | 0.93 (0.85, 1.01)  | 0.092   |
| Systolic_BP            |         | 682 |                    | 1.04 (1.01, 1.06)  | 0.002   |
| Diastolic_BP           |         | 682 |                    | 0.98 (0.95, 1.01)  | 0.220   |
| Smoke                  | Current | 46  |                    | Reference          |         |
|                        | Quitted | 150 |                    | 2.63 (0.58, 11.87) | 0.210   |
|                        | Never   | 486 | ·                  | 1.01 (0.19, 5.35)  | 0.989   |
| Hypertension           | 0       | 299 | •                  | Reference          |         |
|                        | 1       | 383 |                    | 0.63 (0.25, 1.60)  | 0.329   |
| Diabetes_Mellitus      | 0       | 560 |                    | Reference          |         |
|                        | 1       | 122 | ⊢ <mark>, ∎</mark> | 1.57 (0.78, 3.14)  | 0.206   |
| Stroke                 | 0       | 647 |                    | Reference          |         |
|                        | 1       | 35  | <b>⊢</b>           | 1.69 (0.51, 5.59)  | 0.392   |
| Hyperlipidemia         | 0       | 466 |                    | Reference          |         |
|                        | 1       | 216 | ▶ <b>──■</b>       | 0.76 (0.38, 1.50)  | 0.424   |
| Chronic_Kidney_Disease | 0       | 610 |                    | Reference          |         |
|                        | 1       | 72  | · · · ·            | 1.11 (0.43, 2.87)  | 0.837   |
| QTcB                   |         | 682 |                    | 1.00 (0.99, 1.02)  | 0.535   |

Supplementary Figure 29. Associations between positive ERP in the lateral leads and cardiovascular mortality among individuals aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio   | HR (95% CI)        | p-Value |
|------------------------|---------|------|--|--------------------|---------|
| ERP                    | -       | 1076 |  | Reference          |         |
|                        | both +  | 42   |  | 0.00 (0.00, Inf)   | 1.000   |
| Gender                 | Male    | 509  | •  | Reference          |         |
|                        | Female  | 609  |  | 0.20 (0.02, 2.31)  | 0.196   |
| ВМІ                    |         | 1118 |  | 1.30 (1.05, 1.60)  | 0.017   |
| Systolic_BP            |         | 1118 |  | 1.01 (0.90, 1.13)  | 0.836   |
| Diastolic_BP           |         | 1118 |  | 0.93 (0.78, 1.09)  | 0.363   |
| Smoke                  | Current | 165  | , in the second se | Reference          |         |
|                        | Quitted | 135  |  | 0.00 (0.00, Inf)   | 0.999   |
|                        | Never   | 818  | ▶ <b></b>  | 2.87 (0.27, 30.91) | 0.384   |
| Hypertension           | 0       | 781  | •  | Reference          |         |
|                        | 1       | 337  |  | 2.49 (0.08, 74.50) | 0.598   |
| Diabetes_Mellitus      | 0       | 993  |  | Reference          |         |
|                        | 1       | 125  |  | 0.00 (0.00, Inf)   | 0.999   |
| Stroke                 | 0       | 1091 | <br>■<br>1   | Reference          |         |
|                        | 1       | 27   |  | 0.00 (0.00, Inf)   | 1.000   |
| Hyperlipidemia         | 0       | 753  | i i i i i i i i i i i i i i i i i i i  | Reference          |         |
|                        | 1       | 365  |  | 0.44 (0.04, 5.58)  | 0.530   |
| Chronic_Kidney_Disease | 0       | 935  | •  | Reference          |         |
|                        | 1       | 183  | <b>⊢</b>   | 8.56 (1.32, 55.47) | 0.024   |
| QTcB                   |         | 1118 | •  | 0.98 (0.93, 1.02)  | 0.316   |

0.020.050.10.2 0.5 1 2 5 10 20 50

Supplementary Figure 30. Association between positive ERP in both inferior and lateral leads and cardiovascular mortality among individuals aged 55-64 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | N    | Hazard ratio   | HR (95% CI)        | p-Value |
|------------------------|---------|------|--|--------------------|---------|
| ERP                    | -       | 1489 |  | Reference          |         |
|                        | both +  | 43   |  | 0.00 (0.00, Inf)   | 0.998   |
| Gender                 | Male    | 656  |  | Reference          |         |
|                        | Female  | 876  | ⊨ <b></b>  | 0.23 (0.07, 0.76)  | 0.016   |
| ВМІ                    |         | 1532 |  | 1.02 (0.90, 1.16)  | 0.767   |
| Systolic_BP            |         | 1532 |  | 1.00 (0.96, 1.04)  | 0.941   |
| Diastolic_BP           |         | 1532 |  | 1.02 (0.97, 1.08)  | 0.440   |
| Smoke                  | Current | 144  | , in the second se | Reference          |         |
|                        | Quitted | 204  | ▶ <b></b>  | 0.97 (0.26, 3.56)  | 0.962   |
|                        | Never   | 1184 | <b>⊢</b>   | 0.80 (0.23, 2.85)  | 0.732   |
| Hypertension           | 0       | 811  |  | Reference          |         |
|                        | 1       | 721  | <b>⊢</b>   | 1.11 (0.29, 4.21)  | 0.878   |
| Diabetes_Mellitus      | 0       | 1227 | <b></b>  | Reference          |         |
|                        | 1       | 305  | ▶ <b>₩</b> 1   | 0.95 (0.33, 2.68)  | 0.915   |
| Stroke                 | 0       | 1455 |  | Reference          |         |
|                        | 1       | 77   | ·■•  | 4.47 (1.59, 12.57) | 0.005   |
| Hyperlipidemia         | 0       | 1033 | <b>I</b>   | Reference          |         |
|                        | 1       | 499  | <b>⊢</b> ∎   | 0.79 (0.30, 2.08)  | 0.637   |
| Chronic_Kidney_Disease | 0       | 1315 | •  | Reference          |         |
|                        | 1       | 217  |  | 0.29 (0.04, 2.15)  | 0.224   |
| QTcB                   |         | 1532 |  | 1.03 (1.01, 1.05)  | 0.003   |

Supplementary Figure 31. Association between positive ERP in both inferior and lateral leads and cardiovascular mortality among individuals aged 65-74 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.

| Variable               |         | Ν   | Hazard ratio                 | HR (95% CI)        | p-Value |
|------------------------|---------|-----|------------------------------|--------------------|---------|
| ERP                    | -       | 666 |                              | Reference          |         |
|                        | both +  | 11  |                              | 0.00 (0.00, Inf)   | 0.997   |
| Gender                 | Male    | 318 |                              | Reference          |         |
|                        | Female  | 359 | ,<br><b>,</b><br>,<br>,<br>, | 2.30 (0.82, 6.49)  | 0.115   |
| ВМІ                    |         | 677 |                              | 0.94 (0.85, 1.03)  | 0.163   |
| Systolic_BP            |         | 677 | 1                            | 1.04 (1.01, 1.06)  | 0.002   |
| Diastolic_BP           |         | 677 |                              | 0.98 (0.94, 1.01)  | 0.189   |
| Smoke                  | Current | 46  |                              | Reference          |         |
|                        | Quitted | 150 |                              | 2.67 (0.59, 12.13) | 0.205   |
|                        | Never   | 481 | ·                            | 0.81 (0.15, 4.44)  | 0.811   |
| Hypertension           | 0       | 294 |                              | Reference          |         |
|                        | 1       | 383 | ⊢ <b>∎</b>                   | 0.69 (0.27, 1.80)  | 0.451   |
| Diabetes_Mellitus      | 0       | 558 | <b></b>                      | Reference          |         |
|                        | 1       | 119 | ⊢<br>⊢<br>↓                  | 1.64 (0.81, 3.31)  | 0.168   |
| Stroke                 | 0       | 642 | ,<br>,                       | Reference          |         |
|                        | 1       | 35  |                              | 1.65 (0.50, 5.48)  | 0.412   |
| Hyperlipidemia         | 0       | 463 |                              | Reference          |         |
|                        | 1       | 214 | ⊢ <b>∎</b>                   | 0.78 (0.39, 1.56)  | 0.485   |
| Chronic_Kidney_Disease | 0       | 605 | •                            | Reference          |         |
|                        | 1       | 72  | <b>⊢</b>                     | 1.18 (0.45, 3.07)  | 0.739   |
| QTcB                   |         | 677 |                              | 1.00 (0.99, 1.02)  | 0.505   |

Supplementary Figure 32. Association between positive ERP in both inferior and lateral leads and cardiovascular mortality among those aged  $\geq$ 75 years. The hazard ratios and *P*-values were calculated by the Cox proportional hazards model after adjusting for covariables.